

Assoc. Prof. NURSEN ÇORUH

Personal Information

Email: ncoruh@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ncoruh>

Education Information

Doctorate, University of Missouri-St.Louis, United States Of America 1985 - 1991

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Application of Lanthanide (III) Luminescence and Circularly polarized Luminescence to the study of Calcium Binding Proteins, University Of Missouri-St.Louis, 1991

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2014 - Continues

Academic and Administrative Experience

Middle East Technical University, Graduate School of Natural and Applied Sciences, 2006 - 2008

Advising Theses

ÇORUH N., Identification of phenolic compounds in Rheum ribes L., Postgraduate, S.FAZELI(Student), 2016

ÇORUH N., Determination of phenolic and flavonoid compounds in rehum ribes, Postgraduate, S.Fazeli(Student), 2016

ADALI O., ÇORUH N., The effects of plant originated bioactive compounds on melanogenesis and tyrosinase, Doctorate, Ş.ŞAHİN(Student), 2016

ÇORUH N., ADALI O., Research of phytochemical AMPK activators against obesity and development of dietary supplements, Doctorate, Y.KÜMBET(Student), 2016

ÇORUH N., Determination of phenolic compounds in Aconitum cochleare woroschin, Postgraduate, A.RAFIQ(Student), 2015

ÇORUH N., ADALI O., Investigation of plant derived substances that promote the biosynthesis of collagen; development of cosmetic and dermatological skin care products, Doctorate, A.KURT(Student), 2015

ÇORUH N., Rosa heckeliana (rosacea) roots extract: bioactivity guided fractionation and cytotoxicity against breast cancer cell lines, Doctorate, N.ÖZDOĞAN(Student), 2013

ÇORUH N., Microarray applications for determination of the effects of emodin on breast cancer cell lines, Postgraduate, E.QOMİ(Student), 2012

ÇORUH N., Characterization of antioxidant and antimicrobial isolates from *Quercus brantii* L. extract, Postgraduate, C.NEBİGİL(Student), 2011

ÇORUH N., Investigation of chemopreventive and apoptotic characteristics of Turkish medicinal plant *Rheum ribes*, Doctorate, P.UYAR(Student), 2011

ÇORUH N., Investigation of the inflammatory pathways in spontaneously differentiating Caco-2 cells, Doctorate, E.ASTARCI(Student), 2011

BANERJEE S., ÇORUH N., Association of the CYP2E1, FMO3, NQO1, GST, NOS3 genetic polymorphisms with ischemic stroke risk in Turkish population, Doctorate, A.Özçelik(Student), 2011

ÇORUH N., Antioxidant capacities of selected fruits and herbal teas consumed in regular diet and their antimicrobial activities against *Staphylococcus aureus*, Postgraduate, B.BARUT(Student), 2011

ÇORUH N., Investigation of antioxidant and antimicrobial effects of *Plantago major* leaves, Postgraduate, Ö.Kaya(Student), 2011

ÇORUH N., Determination of morphine and total phenolic content in poppy seed of Turkish origin, Postgraduate, A.Gevenkiriş(Student), 2011

ÇORUH N., Determination of morphine and total phenolic content in poppy seed of Turkish origin, Postgraduate, A.GEVENKİRİŞ(Student), 2011

ÇORUH N., Investigation of antioxidant activities of fruit juices and herbal teas and their antimicrobial effects on *proteus mirabilis*, Postgraduate, Y.KÜMBET(Student), 2010

ÇORUH N., DNA repair genes, XRCC3 and RAD51, polymorphisms and risk of childhood acute lymphoblastic leukemia, Postgraduate, C.TANRIKUT(Student), 2010

ÇORUH N., Isolation and characterisation of antioxidant compounds in yellow rose root extract, Postgraduate, Y.Kyejussa(Student), 2009

ÇORUH N., Antioxidant and antimicrobial activities of dietary plants against group A B-Haemolytic streptococci, Postgraduate, Ö.Faruk(Student), 2009

DOĞAN M., ÇORUH N., Antioxidant and antimicrobial activities of dietary plants against group A β -haemolytic streptococci, Postgraduate, Ö.FARUK(Student), 2009

ÇORUH N., Investigating the anticarcinogenic role of *Salix aegyptiaca* L. in colorectal carcinoma, Postgraduate, S.ENAYAT(Student), 2009

ÇORUH N., Isolation and characterisation of antioxidant compounds in yellow rose root extracts, Postgraduate, Y.KYEJJUSA(Student), 2009

ÇORUH N., Investigation for natural extract inhibitors of bovine lens aldose reductase responsible for the formation of diabetes dependent cataract, Postgraduate, M.ONAY(Student), 2008

ÇORUH N., HPLC-DAD isolation of antioxidant compounds in *Aesculus hippocastanum* bark extracts and cytotoxic effects on HL-60 cells, Postgraduate, N.ÖZDOĞAN(Student), 2007

ÇORUH N., Screening for antioxidant activities of several medicinal plant extracts and their effects on glutathione-S-transferase activity, Doctorate, A.Gülçin(Student), 2005

ÇORUH N., Screening for antioxidant activities of several medicinal plant extracts and their effects on glutathione-S-transferase activity, Doctorate, A.GÜLÇİN(Student), 2005

ÇORUH N., Inhibitory effects of plant originated extracts on bovine lens aldose reductase, Postgraduate, S.ZAİMOĞLU(Student), 2004

ÇORUH N., Inhibitory effects of plant originated extracts on bovine lens aldose reductase, Postgraduate, S.Zaimoğlu(Student), 2004

ÇORUH N., Isolation and immunologic characterization of theta class glutathione S-transferase GSTT2-2 from bovine liver, Doctorate, S.BELGİN(Student), 2004

ÇORUH N., Isolation and immunological characterization of theta class glutathione-S-transferase gstt2-2 from bovine liver, Doctorate, S.Belgin(Student), 2004

ÇORUH N., Isolation of a bioactive compound hypericin from a medicinal plant *Hypericum perforatum* L. using basic chromatography methods, Postgraduate, B.DURU(Student), 2003

ÇORUH N., Isolation of esculetin from *aesculus hippocastanum* l. and its antioxidant effects on microsomal lipid

peroxidation., Postgraduate, E.Aydın(Student), 2002

ÇORUH N., Isolation of esculetin from *Aesculus hippocastanum* L. and its antioxidant effects on microsomal lipid peroxidation, Postgraduate, E.AYDIN(Student), 2002

ÇORUH N., Effects of aescin from *aesculus hippocastanum* extracts on microsomal lipid peroxidation, Postgraduate, A.Gülçin(Student), 2000

ÇORUH N., Effects of aescin from *aesculus hippocastanum* extracts on microzomal lipid peroxidation, Postgraduate, A.GÜLÇİN(Student), 2000

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Wild-growing *Rosa heckeliana* Tratt.: phenolic constituents with cytotoxic and antioxidative properties**
ÇORUH N., ÖZDOĞAN N.
TURKISH JOURNAL OF BIOLOGY, vol.41, no.1, pp.195-212, 2017 (SCI-Expanded)
- II. **Identification and Quantification of Phenolic Components of *Rosa heckeliana* Tratt Roots**
ÇORUH N., Ozdogan N.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.38, no.5, pp.569-578, 2015 (SCI-Expanded)
- III. **FLUORESCENT COUMARIN COMPONENTS OF THE BARK OF *AESCULUS HIPPOCASTANUM***
ÇORUH N., Ozdogan N.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.37, no.10, pp.1334-1350, 2014 (SCI-Expanded)
- IV. **RAPID AND COMPREHENSIVE SEPARATION FOR THE PHENOLIC CONSTITUENTS OF *QUERCUS BRANTII* ACORNS BY RP-HPLC-DAD**
ÇORUH N., Nebigil C., Ozgokce F.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.37, no.6, pp.907-915, 2014 (SCI-Expanded)
- V. **Oxidation of phenolic compounds by the bifunctional catalase-phenol oxidase (CATPO) from *Scytalidium thermophilum***
Avci G. K., ÇORUH N., Bolukbasi U., Ogel Z. B.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.97, no.2, pp.661-672, 2013 (SCI-Expanded)
- VI. **Antioxidant Capacity and Cytotoxicity of *Aesculus hippocastanum* on Breast Cancer MCF-7 Cells**
Celep A. G. S., Yilmaz S., ÇORUH N.
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.20, no.3, pp.692-698, 2012 (SCI-Expanded)
- VII. **Production of a novel bifunctional catalase-phenol oxidase of *Scytalidium thermophilum* in the presence of phenolic compounds**
YUZUGULLU Y., Ogel Z. B., BOLUKBASI U. B., ÇORUH N., KARAKAŞ G.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.6, pp.697-704, 2011 (SCI-Expanded)
- VIII. **Analysis of biactive compounds of *Aesculus Hippocastanum* bark using HPLC-DAD**
Ozdogan N., Celep G. S., Coruh N.
DRUGS OF THE FUTURE, vol.32, pp.64, 2007 (SCI-Expanded)
- IX. **Antioxidant capacities of *Gundelia tournefortii* L. extracts and inhibition on glutathione-S-transferase activity**
Coruh N., Celep A. G. S., Ozgokce F., Iscan M.
FOOD CHEMISTRY, vol.100, no.3, pp.1249-1253, 2007 (SCI-Expanded)
- X. **Antioxidant properties of *Prangos ferulacea* (L.) Lindl., *Chaerophyllum macropodum* Boiss. and *Heracleum persicum* Desf. from Apiaceae family used as food in Eastern Anatolia and their inhibitory effects on glutathione-S-transferase**
Coruh N., Celep A. G. S., Ozgokce F.
FOOD CHEMISTRY, vol.100, no.3, pp.1237-1242, 2007 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Antioxidant properties of seeds of *Gundelia tournefortii* L**
SULE Ş., FEVZİ Ö., ÇORUH N.
40 TH FEBS CONGRESS, 4 - 09 July 2015
- II. **Antioxidant capacity of daily consumed peach fruit juice and its antimicrobial effect on *Proteus mirabilis***
Kumbet Y., ÇORUH N.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.126
- III. **Anti-oxidant properties of the seeds of *Gundelia tournefortii* L.**
ŞAHİN S. M., ÇORUH N., Özgökçe F.
40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.126
- IV. **Anti-oxidant capacity of *Aesculus hippocastanum* fruit parts as an anti-aging agent**
AKSOY A., ŞAHİN S. M., Kumbet Y., ÇORUH N.
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.512
- V. **Identification of phenolic constituents from Turkish *A-hippocastanum* by RP-HPLC**
Ozdogan N., ÇORUH N.
38th Congress of the Federation-of-European-Biochemical-Societies (FEBS), Saint Peter, Guernsey And Alderney, 6 - 11 July 2013, vol.280, pp.513-514
- VI. **An investigation on the antioxidant activities and total phenolics content of *Calendula officinalis***
Ozdogan N., ŞAHİN S. M., AKSOY A., Kumbet Y., ÇORUH N.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.555
- VII. **Characterization of bovine lens aldose reductase enzyme and its kinetics study on cofactor NADPH**
Onay M., ÇORUH N.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.428
- VIII. ***Rheum ribes* ethanol extracts induce apoptosis of HL-60 cells by a caspase dependent pathway**
UYAR P., Özgökçe F., ÇORUH N., İscan M.
22nd IUBMB Congress/37th FEBS Congress, Sevilla, Spain, 4 - 09 September 2012, vol.279, pp.56-57
- IX. **Free radical scavenging capacity of ethyl acetate extract of *Salvia tomentosa***
Onay M., ÇORUH N., Celep F., DOĞAN M.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011, vol.22
- X. **Total phenolics content of the ethyl acetate extract of *Salvia tomentosa***
Onay M., ÇORUH N., Celep F., DOĞAN M.
59th International Congress and Annual Meeting of the Society-for-Medicinal-Plant-and-Natural-Product-Research, Antalya, Turkey, 4 - 09 September 2011, vol.77, pp.1314
- XI. **Kinetics studies on glyceraldehyde concentration of bovine lens aldose reductase**
Onay M., Onay M., ÇORUH N., İŞGÖR S. B.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.123
- XII. **Aldose reductase natural inhibitors from ethyl acetate extracts from southern Turkey**
Onay M., ÇORUH N., Işgor B.
9th International Meeting of the International-Society-for-the-Study-of-Xenobiotics(ISSX), İstanbul, Turkey, 4 - 08 September 2010, vol.42, pp.170
- XIII. **EFFECTS OF RHEUM RIBES ETHANOLIC EXTRACTS ON CYTOCHROMES P450 1B1 (CYP1B1) GENE EXPRESSION AND GLUTATHIONE-S-TRANSFERASE (GST) ACTIVITY IN HL-60 CELLS**
Uyar P., Özgökçe F., Coruh N., İscan M.
10th European Regional Meeting of the International-Society-for-the-Study-of-Xenobiotics, Vienna, Austria, 18 - 21 May 2008, vol.40, pp.57-58
- XIV. **Total phenolics content and free radical scavenging capacities of *Aesculus hippocastanum* L. bark**

extracts

Ozdogan N., Coruh N.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.183

XV. Antioxidative and antiproliferative effects of Turkish Rheum ribes aqueous extract

Uyar P., Ozgokce F., Coruh N., Iscan M.

31st Congress of the Federation-of-European-Biochemical-Societies (FEBS), İstanbul, Turkey, 24 - 29 June 2006, vol.273, pp.353-354

Supported Projects

YILMAZ A., AKMAN P., GÖKAĞAÇ ARSLAN G., ÇORUH N., NALBANT ESENTÜRK E., KAYRAN İŞÇİ C., PERSİL ÇETİNKOL Ö., Project Supported by Higher Education Institutions, Lüminesan MCM-41 Mezogözenekli Silika Nanoparçacıklarına Selekoksib Yükleme Çalışmaları: İlaç Yükleme ve Bırakma Özellikleri, 2018 - 2019

GÖKAĞAÇ ARSLAN G., YILMAZ A., ÇORUH N., NALBANT ESENTÜRK E., KAYRAN İŞÇİ C., PERSİL ÇETİNKOL Ö., Project Supported by Higher Education Institutions, Değişik destek maddeleri kullanılarak yeni katalizörlerin hazırlanması, 2017 - 2017

TOPPARE L. K., GÖKER S., EREL GÖKTEPE İ., ÇORUH N., ÇIRPAN A., GÜNBAŞ E. G., ZORA M., Project Supported by Higher Education Institutions, Pestisit tayinine dönük biyosensörlerin hazırlanması, 2016 - 2016

TOPPARE L. K., EREL GÖKTEPE İ., ÇORUH N., ÇIRPAN A., Project Supported by Higher Education Institutions, Tiyoferen ve Selenoferen türevlerinin sentezi, elektrokromik ve güneş gözesi uygulamaları, 2015 - 2015

TUNCEL S., GÖKMEN A., ERTAŞ G., VOLKAN M., ÇORUH N., GÖKMEN G. İ., Project Supported by Higher Education Institutions, Kuzey Kıbrıs'taki Aerosollerin Fiziksel ve Kimyasal Çalışması, 2014 - 2014

ÇORUH N., KÜMBET Y., Project Supported by Higher Education Institutions, DOĞAL BİLEŞİKLERİN TOKSİKOLOJİK VE ANTİMİKROBİYAL ETKİLERİNİN ARAŞTIRILMASI, 2013 - 2013

Metrics

Publication: 25

Citation (WoS): 199

Citation (Scopus): 204

H-Index (WoS): 6

H-Index (Scopus): 5